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Philips Medical Systems
Development and Manufacturing Centre

SERVICE MANUAL
732
UNIT

Software Bulletin EasyVision RAD

Release 4.2V2 Level 2 – Service Pack 2

4512 131 81132

DMC Hamburg

Printed in Hamburg, Germany

SERVICE MANUAL - UNIT

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File: Software Bulletin EVRAD 4.2.2 SP2.doc

List of pages and drawings (LOPAD) **Manual Order No: 4512 984 25701**

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Contents

1 Introduction

This document contains:

- Release notes for service pack 2 of the EasyVision RAD 4.2 V2 level 2 software
- Installation procedure of the software package

The information contained in the Release Bulletin for the EasyVision RAD 4.2 V2 L 2 software remains valid.

2 Release information

2.1 Supplied software

EasyVision RAD 4.2 V2 level 2 – service pack 2.....4512 131 81132
containing:

- EasyVision RAD 4.V2L2 SP2 (patch) & this Bulletin

The software patch (~ 5 MB) is only available at the Technet pages on the Intranet and can be downloaded from the PCR download area. Please note that **service pack 1 must be installed** prior to the installation of the service pack 2 patch. Service pack 1 can be ordered as an FCO kit (see FCO 00 497 004 SR) or downloaded from the Intranet as software patch (~ 14MB).

2.2 What's new . . .

Fixed problems

Image transmission from the Reader
When plates belonging to the same examination were read at the same time on two or more different Readers, the EasyVision did not merge all images to one examination. An image transmission from a second Reader was refused while the first Reader was actually transferring an image. In that case the Reader showed an alarm panel for some time and the errors 2D45 "The error occurred while forwarding the image" and 3D40 "The error occurs when the command (DICOM protocol) of a different image is transmitted" were logged by the Reader.

This behavior has been changed. A second connection is no longer refused while another image transfer is in progress. Furthermore the examinations are properly merged now.

Select Tool
The behavior of the SelectTool of the *PCRFacility* has been slightly changed. Now the *SelectTool* shows a new examination before the transfer of an image has been completed. Selecting this entry before the image has been transferred completely has no effect

readerServer crash
When the database was almost full (free space between 8 and 16 MB) and a new image was imported from a Reader, there was the possibility that the *readerServer* process could crash. This has been solved.

printjobServer crash
Sometimes database deadlocks could occur when two processes tried to change the same data object. In this case one of the transactions was aborted by the database server and the client had to retry the transaction. If this client was the *printJobServer*, it could crash. This caused a duplicate printout of a film. This has been solved.

Crash when viewing DSI XA images
A bug introduced in SP1 caused a crash when DSI XA images were tried to be viewed. This has been solved.

Sporadic crashes when viewing any image
Sporadically the EV application crashed (and restarted automatically) when an image was selected for viewing. This has been solved.

New features

Konica DRYPRO 722 and Kodak 8200
...are now supported, but for testing purposes only. The printers have not been tested entirely and are not released yet. See also **Configuring new printers** on page 6.

2.3 Known limitations

For systems with more than one Reader sending to one EasyVision:
The possibility exists that the first images for a new examination (same patient) are not merged when the image data are transferred from the Readers at almost the same time (e.g. two cassettes inserted at two Readers at the same time). "Same time" may be up to 20 s.

3 Software installation

The software patch (~ 5 MB) is only available on the Intranet and can be downloaded from the PCR download area. Please note that **Service Pack 1 must be installed** prior to the installation of the service pack 2 patch. Service pack 1 can be ordered as an FCO kit (see FCO 00 497 004 SR) or downloaded from the Intranet as software patch (~ 14MB).

How to install:

1. Make sure that service pack 1 is already installed.

2. Copy the downloaded file **sp2.Z** to the directory **/spare** on the EasyVision (see chapter File transfer to EasyVision on page 7 for detailed instructions on how to transfer the file to EasyVision).

3. At the EasyVision change to the UNIX command prompt:
   - From the Start-Up menu select **Go to Service Menu**
   - Enter the password : ***password***
   - Select **SunOS Menu**
   - Select **SunOS C-Shell**

4. At the command prompt enter
   cd /spare
   uncompress sp2.Z
   mount –o remount /easy
   tar xpf sp2
   reboot

While rebooting, alot of messages are passing by, indicating that the system files are being updated.
When finished, the system should start up normally.

Leave the application and go to the Start-Up menu.

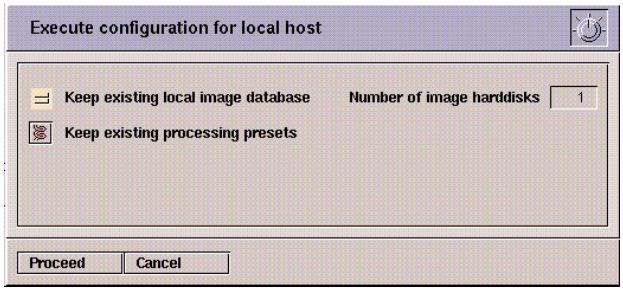
Now proceed with chapter **Configuration.**

4 Configuration

1. From the start-up menu select **1. Start configuration** and enter the password : ***password***
   Wait for the configuration program to be started.

2. Select each **Reader Node** in the list of configured nodes, click [**Edit**] and click [**Proceed**] at every **Reader Node** window.

3. Now click **Execute...** to perform an update of the actual configuration of this EasyVision and to save the set-up database file to hard disk. Before execution starts this panel is displayed:



The option **Keep existing local database** is only selectable if a correct and compatible database (image and Set-up database) exists. **The image database is deleted if this option is not highlighted!**

With the selection button **Keep existing processing** the following selections are possible:

- **Keep existing processing presets** (Preferred)
  The current processing presets are kept as they are
- **Reset processing presets to factory settings**
  The default presets are recovered as they are on a complete new installed system
- **Merge factory presets and current presets**
  Presets already existing in the SetupDatabase are not overwritten by the factory presets
- **Merge factory presets and current presets.**
  Current presets are replaced by factory presets which have the same key
  Presets in the SetupDatabase may be overwritten by properties. Example: 5 presets stored in a property file in a directory overwrite other presets with the same name.

When finished click **Proceed** to finalize the configuration. Leave the configuration tool.

The system performs a reboot and starts automatically the application.

Now **Restart** the connected **USITs** to synchronize the configuration settings.

4.1 Configuring new printers

The new supported printers **Konica DRYPRO 722 and Kodak 8200** do not show up automatically in the list of supported printers. To be able to select these printers in the configuration the following step must be done.

- Start configuration
- **Edit** the configuration of the EV
- Click **[Peripheral settings**].
- Click [**New**]
- Click [**Advanced printer setting**]
- Click [**Edit printer list**]
- Click [**Reset printer list**]

The printers are now available.

5 File transfer to EasyVision

5.1 ...via FTP

This chapter bases on the assumption that the service pack patch file has been copied into this directory on the service PC: **C:\sp2**

Needed: An STP crossover patch cable or a network connection to your Service PC.

1. Set the IP address and netmask of the service PC so that it matches the addresses of the EasyVision (e.g., if the EV IP address is 192.0.0.1 use for the PC 192.0.0.2.
2. Connect the crossover cable to EV and Service PC (or use the existing network or your personal hub).
3. At the service PC go to the command prompt.
4. Change the directory: ***cd c:\sp2***
5. To start the FTP program enter ***ftp***
6. Connect to EasyVision: ***open <IP address>*** (enter the IP address of the EasyVision)
7. Enter the user name: ***Service***
8. Enter the password: ***<HostID>*** (enter the HostID of the EasyVision, e.g. 807a5f99)
9. Change the directory on the EasyVision: ***cd /spare***
10. To set the FTP program to binary mode enter ***binary***
11. Send the file: ***send sp2.Z***
12. When completed enter: ***bye***

5.2 ... via CD-R

Transferring files to EasyVision can also be done using a CD-R using the following commands.

At the command prompt enter

cd /
mount -o ro -F hsfs /dev/dsk/c0t2d0s0 /mnt (for an ULTRA 60 use 'c0t6' instead of 'c0t2')
cp /mnt/sp2.Z /spare

6 Communication with Philips Medical Systems

Problem reporting

Problems which may be related to an error in the system should be reported via e-mail, fax, phone or, if parts are to be returned, mail to **Help Desk Hamburg**:

Philips Medical Systems
Help Desk Xray Hamburg
D-22335 Hamburg
Germany

Tel. : +49 40 5078 - 2369 or 2037
Fax : +49 40 5078 - 2348
E-mail : Helpdesk.Xray.Hamburg@philips.com

Field Problem Reports should be sent as an enclosed file of an e-mail to **Help Desk Hamburg.**
Please use the program PRFORM to create FPR files. PRFORM can be downloaded from the Intranet: **http://technet.best.ms.philips.com**

NOTE: First check the FPRview database, the TechTips of PCR on the Intranet to find out if your problem is already known. Please use the Intranet frequently to check for the latest news.